

Name: \_\_\_\_\_

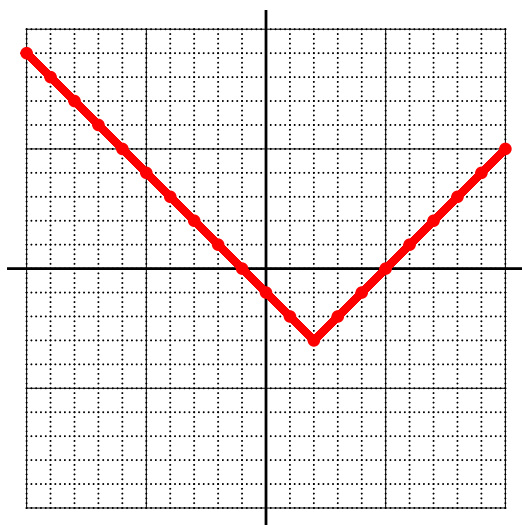
Date: \_\_\_\_\_

## PCW\_09\_29 SOLUTION: Graph Parent Translations (version 1)

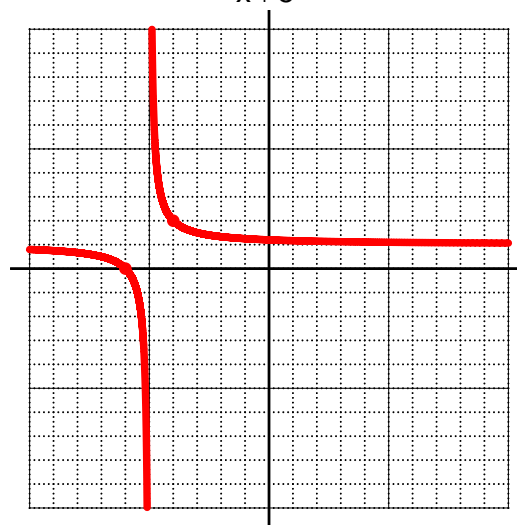
Graph each equation. Let the  $y$  axis be vertical and the  $x$  axis be horizontal. Also, let both axes be at unit scale, so each goes from  $-10$  to  $10$ .

Clearly mark every solution where  $x$  and  $y$  are both integers with a small dot along the curve.

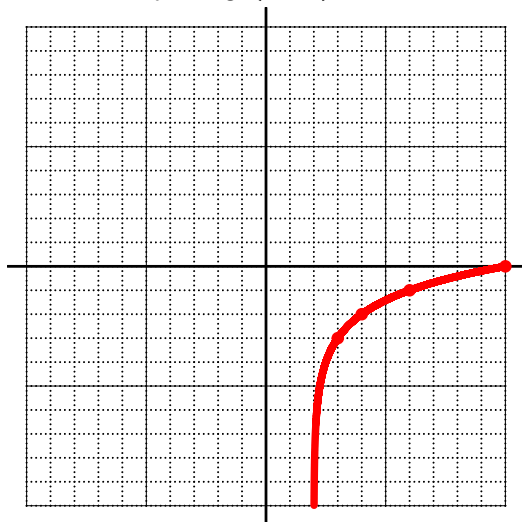
$$y = |x - 2| - 3$$



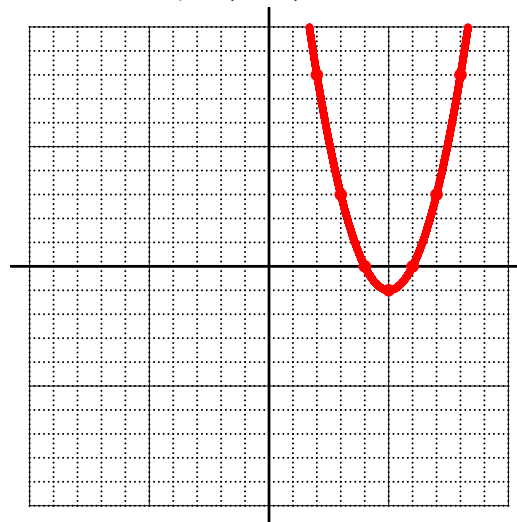
$$y = \frac{1}{x+5} + 1$$



$$y = \log_2(x - 2) - 3$$



$$y = (x - 5)^2 - 1$$



# PCW\_09\_29 SOLUTION: Graph Parent Translations (version 1)

$$y = \sqrt[3]{x+5} + 1$$

